## What is claimed:

A device for managing network traffic flow, the device comprising:
 a processor, the processor configured to

receive network traffic content,

determine whether a protocol of the network traffic content matches a prescribed protocol of network traffic content that could contain content desired to be detected, and

store the network traffic content in a stack when the protocol of the network traffic content matches the prescribed protocol.

- 2. The device of claim 1, wherein the processor comprises a general purpose processor.
- 15 3. The device of claim 1, wherein the special purpose processor comprises an ASIC processor.
  - 4. The device of claim 3, wherein the ASIC processor is a semi-custom ASIC processor.

The device of claim 3, wherein the ASIC processor is a programmable
 ASIC processor.

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6. The device of claim 1, wherein the processor is further configured to send the network traffic content to a user when the protocol of the network traffic content does not match the prescribed protocol.

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- 7. The device of claim 1, further comprising the stack.
- 8. The device of claim 7, wherein the stack is implemented in the processor or in another processor.

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- 9. The device of claim 8, wherein the stack is configured to store network traffic content in accordance with the protocol of the network traffic content.
- 10. The device of claim 1, further comprising a memory;
- wherein the processor is further configured to

send at least a portion of the network traffic content to the memory when the protocol of the network traffic content matches the prescribed protocol,

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send a copy of the network traffic content to a module, the module configured to determine whether the network traffic content contains content desired to be detected, and

assemble the at least a portion of the network traffic content with the rest of the network traffic content, and transmit the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.

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- 11. The device of claim 10, further comprising the module.
- 12. The device of claim 11, wherein the module is implemented in the processor.

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- 13. The device of claim 11, wherein the module is implemented in an ASIC processor.
- 14. The device of claim 1, further comprising a memory;
- wherein the processor is further configured to

flag the network traffic content when the protocol of the network traffic content matches the prescribed protocol,

send the flagged network traffic content to the memory,
send a copy of the network traffic content to a module, the module
configured to determine whether the network traffic content contain
content desired to be detected, and

transmit the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.

- 5 15. The device of claim 14, further comprising the module.
  - 16. The device of claim 15, wherein the module is implemented in the processor.
- 17. The device of claim 15, wherein the module is implemented in an ASIC processor.
  - 18. The device of claim 1, wherein the content desired to be detected is selected from the group consisting of a virus, a worm, a web content, a Trojan agent, an email spam, and a packet transmitted by a hacker.
  - A method for managing network traffic flow, the method comprising:
     receiving network traffic content;

determining whether a protocol of the network traffic content matches with

20 a prescribed protocol of network traffic content that could contain content desired
to be detected; and

storing the network traffic content in a stack when the protocol of the network traffic content matches the prescribed protocol.

- 20. The method of claim 19, wherein the network traffic content is stored in the stack in accordance with the protocol of the network traffic content.
- 21. The method of claim 19, further comprising:

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sending at least a portion of the network traffic content to a memory when the protocol of the network traffic content matches the prescribed protocol;

sending a copy of the network traffic content to a module, the module configured to determine whether the network traffic content contain content desired to be detected, and

assembling the at least a portion of the network traffic content with the rest of the network traffic content, and sending the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.

22. The method of claim 19, further comprising:

flagging the network traffic content when the protocol of the network traffic content matches the prescribed protocol;

storing the flagged network traffic content in a memory;

sending a copy of the network traffic content to a module, the module configured to determine whether the network traffic content contain content desired to be detected, and

transmitting the network traffic content to a user when it is determined that

the network traffic content does not contain the content desired to be detected.

- 23. A device for managing network traffic flow, the device comprising: a first processor, the first processor configured to receive network traffic content,
- send at least a portion of the network traffic content to a memory,

send a copy of the network traffic content to a second processor, the second processor configured to determine whether the network traffic content contains content desired to be detected.

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- 24. The device of claim 23, wherein the first processor is further configured to assemble the at least a portion of the network traffic content with the rest of the network traffic content, and cause the network traffic content to be transmitted to a user when it is determined that the network traffic content does not contain the content desired to be detected.
- 25. A method for managing network traffic flow, the method comprising:

receiving network traffic content;

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storing at least a portion of the network traffic content to a memory; and sending a copy of the network traffic content to a processor, the processor configured to determine whether the network traffic content contains content desired to be detected.

- 26. The method of claim 25, further comprising assembling the at least a portion of the network traffic content with the rest of the network traffic content, and transmitting the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.
- 27. A device for managing network traffic flow, the device comprising: a first processor, the first processor configured to

receive network traffic content.

flag the network traffic content,

send the flagged network traffic content to a module, the module configured to pass unflagged data to a user and prevent flagged data from being sent to the user, and

send a copy of the network traffic content to a second processor,
the second processor configured to determine whether the network traffic
content contains content desired to be detected.

- 28. The device of claim 27, wherein the first processor is further configured to transmit the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.
- 5 29. The device of claim 27, wherein the module comprises a memory, a buffer, or at least a portion of a processor.
  - A method for managing network traffic flow, the method comprising:
     receiving network traffic content;
- flagging the network traffic content;

sending the flagged network traffic content to a module, the module configured to pass unflagged data to a user and prevent flagged data from being sent to the user; and

sending a copy of the network traffic content to a processor, the processor configured to determine whether the network traffic content contains content desired to be detected.

31. The method of claim 30, further comprising transmitting the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.

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